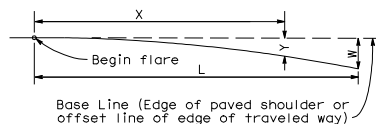


PLAN

## THRE BEAM BARRIER AT FIXED OBJECTS

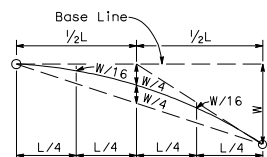
(Wood post and block shown)  
See Notes 1, 2 and 3.

Base Line (Edge of paved shoulder or offset line of edge of traveled way)

$Y = \frac{WX^2}{L^2}$

Y = Offset from base line  
W = Maximum offset  
X = Distance along base line  
L = Length of flare

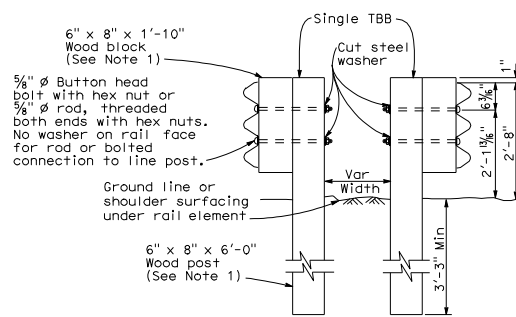
## PARABOLIC FLARE OFFSETS



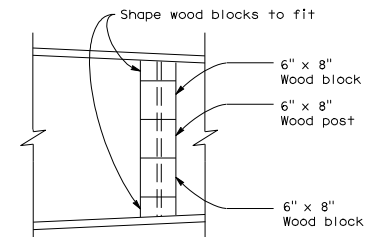
## TYPICAL PARABOLIC LAYOUT

## NOTES:

- Where applicable and when specified, (W6 x 9) x 6'-8" steel post with 6" x 8" x 1'-10" notched wood blocks or notched recycled plastic blocks may be used for 6" x 8" x 6'-0" wood post with 6" x 8" x 1'-10" wood block.
- Where applicable and when specified, (W6 x 15) x 8'-0" steel post with 8" x 8" x 1'-10" notched wood blocks or notched recycled plastic blocks may be used for the 10" x 10" x 8'-0" wood post with 8" x 8" x 1'-10" wood blocks shown at 3'-1/2" center to center spacing.
- Where a minimum clearance of 4'-0" or more can be obtained between the face of the three beam rail and the face of the fixed object(s), the following substitutions may be made:
  - 6" x 8" x 6'-0" wood posts with 6" x 8" x 1'-10" wood blocks for the 10" x 10" x 8'-0" wood post with 8" x 8" x 1'-10" wood blocks shown.
  - 6'-3" post spacing for the 3'-1/2" spacing shown.
- Where the clearance between the face of the railing and the face of a fixed object is less than 2'-3", a concrete barrier should be constructed to shield the fixed object(s).
- Direction of traffic indicated by  $\rightarrow$ .
- For typical flare offsets for 25'-0" length parabola with maximum offset of 1'-0", see Standard Plan A77E1.



SECTION A-A

Wood post with wood block shown  
See Note 1

DETAIL A

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATIONTHRE BEAM BARRIER  
AT FIXED OBJECTS  
IN MEDIAN

NO SCALE

A78D1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

May 1, 2006  
PLANS APPROVAL DATE

No. C50200  
Exp. 6-30-07  
CIVIL  
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To get to the Caltrans web site, go to <http://www.dot.ca.gov>